Application No. 09/939,235 Amendment dated February 22, 2005 Reply to Office Action of October 19, 2004 Replacement Sheet ROC920010252US1 FEB 2 4 2005 TRADEMARY 169 **EXECUTE THREAD** 162 170 TASK AVAILABLE ? IDLE LOOP ? N 163 SPIN LOCK AVAILABLE ? 172 MAKE YIELD CALL **OPERATING SYSTEM HYPERVISOR** 173 MAKE READY-TO-YIELD **MARK** STORAGE 174 SPIN THREAD 178 176 TIME-OUT OR INTERRUPT RETURN CONTROL TO O.S N 180 ALL THREADS READY-TO YIELD

FIG. 3

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SAVE STATE OF O.S.

> IDLE THREADS